

Financial Android Application

Stock Predictor

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Abstract

Android's Google play offers thousands financial applications some are free others at a premium. The free applications dedicated to investors, generally offers too many features or too little. It's rare to find applications that do only one thing and do it well. All those application are trying to cater for a large audience but there are different types of investors, one type is called the technical analyst or chartist, they analyse historical charts (price and volume of any security) to predict future stock movement. This project target this type of investors, creating an application that offers features and tools for chartists to use in their analysis and predict those price movements. Also to help traders set up some safeguards stopping them making emotional decisions in their trading strategy that could impact their profit.

Due to Android's popularity it was the chosen platform to develop and implement this project, utilising the Agile methodology would help focus on the task in hand and meet with time constraints.

The outcome of this project resulted in a fully working application that filled the requirements. The application supports numerous functions; it can retrieve real live stock prices and historical data. The historical data is displayed as an interactive chart that may be zoomed or panned; and apply indicators to conduct a technical analysis. The application allows the user to input his or her own settings to help them purchase a limited number of stocks. Those stocks are managed in a portfolio that is automatically updated, if the user wishes so. When any position is not profitable and if a loss exceeds a pre-determined setting an automatic notification is sent to the user to close the position (sell the stock).

After completing this project the application has been published into Google play (formally known as Android market), for users to download for free. The application is called Stock predictor.